

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application.

LISTING OF CLAIMS:

1. (currently amended) In a wireless communications system, a method for a mobile station to determine proximity to a telephone, the method comprising:

- a first mobile station determining its position;
- the first mobile station requesting the position of a telephone;
- the telephone accessing a record of trust relationships regarding the communications system to determine a trust level for the first mobile station;
- the first mobile station receiving the position of ~~the~~a telephone if the first mobile station meets a selected level of trust; and
- the first mobile station calculating the distance to the telephone.

2. (original) The method of claim 1 further comprising:

the first mobile station determining its alignment in a coordinate system; and calculating the direction to the telephone.

3. (canceled).

4. (original) The method of claim 1 further comprising:

generating a request, to authorize the sending of the telephone position; and wherein receiving the position of the telephone includes receiving the position in response to the request being authorized.

5. (currently amended) The method of claim 13 in which the first mobile station is connected to a global positioning satellite (GPS) receiver; and

wherein determining the position of the first mobile station includes the first mobile station receiving data from the GPS receiver.

6. (original) The method of claim 5 in which the telephone is a second mobile station, connected to a GPS receiver, and the method further comprising:

the second mobile station receiving data from the connected GPS receiver; and

the second mobile station sending its position in response to the data received from the connected GPS receiver.

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7. (original) The method of claim 6 further comprising:

the first mobile station sending a request for the position of the second mobile station; and

wherein the second mobile station sending of its position includes the second mobile station sending its position in response to the first mobile station position request.

8. (original) The method of claim 7 wherein the second mobile station sending of its position includes the second mobile station automatically sending its position in response to the request.

9. (original) The method of claim 7 further comprising:

the second mobile station sending its position to the wireless communications system;
the wireless communications system collecting and storing the position of the second mobile station; and

wherein the first mobile station sending a request for the position of the second mobile station includes sending the position request to the wireless communications system; and

the method further comprising:

the wireless communications system sending the second mobile station position to the first mobile station, in response to the position request.

10. (currently amended) In a wireless communications system, a method for a first mobile station to determine proximity to a second mobile station, the method comprising:

the first mobile station connected to a global positioning satellite (GPS) receiver, the first mobile station receiving data from the GPS receiver for determining its position;

the first mobile station requesting the position of the second mobile station, the second mobile station connected to a global positioning satellite (GPS) receiver and receiving data from the GPS receiver for determining its position;

the second mobile station determining a trust level that it has in the first mobile station;

the second mobile station automatically sending the position of the second mobile station to the wireless communications system in response to a determination of an acceptable trust level;

the wireless communications system collecting and storing the position of the second mobile station;

the wireless communications system sending the position of the second mobile station to the first mobile station; and

the first mobile station calculating the distance to the second mobile station.

The method of claim 9 further comprising:

~~maintaining a record of trust relationships with the wireless communication system;~~
and

~~wherein determining the level of trust that the second mobile station has in the first mobile station includes the wireless communications system determining the trust level in response to accessing the record of trust relationships.~~

11. (currently amended) The method of claim 10 further comprising:
establishing an emergency access code to the record of trust relationships; and
permitting the first mobile station to receive the position of the second mobile station
~~telephone~~ in response to presenting the emergency access code to the wireless system.

12. (original) The method of claim 7 wherein the first mobile station sends its request for the position of the second mobile station to the second mobile station; and
wherein the second mobile station sends the second mobile station position to the first mobile station, in response to the request.

13. (currently amended) In a wireless communications system, a method for a first mobile station to determine proximity to a second mobile station, the method comprising:

the first mobile station connected to a global positioning satellite (GPS) receiver, the first mobile station receiving data from the GPS receiver for determining its position;

the first mobile station requesting the position of the second mobile station, the second mobile station connected to a global positioning satellite (GPS) receiver and receiving data from the GPS receiver for determining its position;

the second mobile station determining a trust level that it has in the first mobile station, the second mobile station including a memory and maintaining a record of trust relationships in the memory of the second mobile station, wherein determining the level of trust that the second mobile station has in the first mobile station includes the second

mobile station determining the trust level in response to accessing the record of trust relationships;

the second mobile station sending the position of the second mobile station to the first mobile station in response to a determination of an acceptable trust level;

the wireless communications system collecting and storing the position of the second mobile station;

the wireless communications system sending the position of the second mobile station to the first mobile station; and

the first mobile station calculating the distance to the second mobile station. The method of claim 12 in which the second mobile station includes a memory, and further comprising:

maintaining a record of trust relationships in the memory of the second mobile station; and

wherein determining the level of trust that the second mobile station has in the first mobile station includes the second mobile station determining the trust level in response to accessing the record of trust relationships.

14. (original) The method of claim 1 further comprising:

establishing a short message service (SMS) identity corresponding an SMS message to transmit and receive position requests and the transfer of position data; and

wherein receiving the position of the telephone includes receiving the position by SMS messaging.

15. (original) The method of claim 1 wherein receiving the position of the telephone includes receiving the position by a general message and data network subscriber protocols including WAP and HTTP.

16. (original) The method of claim 1 wherein the first mobile station receiving of the telephone position includes the first mobile station receiving the telephone position via an audio signal.

17. (original) The method of claim 1 further comprising:
the first mobile station sending its position to the telephone.

18. (original) The method of claim 17 further comprising:
determining the level of trust that the first mobile station has in the telephone; and
wherein the first mobile station sends its position to the telephone in response to the determined level of trust.

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19. (currently amended) The method of claim 1~~[[3]]~~ in which the telephone is a landline telephone associated with a service provider; and
the method further comprising:
creating a position record of the telephone with the service provider; and
wherein the first mobile station receiving of the position of the phone includes the first mobile station receiving the position from the service provider.

20. (original) The method of claim 19 further comprising:
the first mobile station requesting the position of the telephone, from the telephone;
and
the telephone requesting the service provider to send its position to the first mobile station.

21. (original) The method of claim 19 further comprising:

the service provider creating a dedicated number to request position information; and
wherein the first mobile receiving of the position of the telephone includes the first mobile station dialing the dedicated number to receive the telephone position.

22. (currently amended) The method of claim 1[[3]] in which the telephone is a landline telephone associated with a service provider and the first mobile phone has a memory; and

the method further comprising:

creating a position record of the telephone in the first mobile station memory; and
wherein the first mobile station receiving of the position of the phone includes the first mobile station accessing its memory to receive the position.

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23. (original) The method of claim 2 further including:

the first mobile station receiving a plurality of telephone position over a period of time; and

the first mobile station tracking the change in distance and direction to the telephone over the period of time.

24. (original) The method of claim 1 further comprising:

following the receiving the telephone position, communicating the position with presentations selected from the group including audio signals and graphic displays.

25-40. (canceled)

41. (currently amended) In a wireless communications second mobile station, a method of sending the position of a second mobile station to a first mobile station, the method comprising:

a second mobile station receiving a request for position from a first mobile station;

determining a trust level that the second mobile station has in the first mobile station;

the second mobile station automatically sending its position to the first mobile station, wherein sending the second mobile station position to the first mobile station includes sending the position in response to the determined level of trust;

maintaining a record of trust relationships in the memory of the second mobile station; and

wherein determining the level of trust level that the second mobile station has in the first mobile station includes the second mobile station determining the level of trust by accessing the record of trust relationships in memory. The method of claim 38 in which the second mobile station has a memory, and further comprising:

maintaining a record of trust relationships in the memory of the second mobile station; and

wherein determining the level of trust level that the second mobile station has in the first mobile station includes the second mobile station determining the level of trust by accessing the record of trust relationships in memory.

42. (currently amended) The method of claim ~~41~~³⁷ further comprising:

the first mobile station determining its own position;

the second mobile station receiving the position of the first mobile station; and

the second mobile station calculating the distance to the first mobile station.

43. (original) The method of claim 42 further comprising:

the second mobile station determining its alignment in a coordinate system; and
calculating the direction to the first mobile station.

44. (original) The method of claim 42 further comprising:

prior to receiving the position of the first mobile station, requesting the position of the
first mobile station.

45. (currently amended) The method of claim 4137 further comprising:

establishing a short message service (SMS) identity corresponding to an SMS
message for transmitting and receiving the request for position and sending of position
data; and

wherein sending the position includes sending the position by SMS messages.

46. (currently amended) The method of claim 4137 wherein sending the position of
the second mobile station~~telephone~~ includes sending the position by a general message
and data network subscriber protocols including WAP and HTTP.

47. (currently amended) The method of claim 4137 wherein sending the position of
the second mobile station~~telephone~~ includes sending the position by an audio voice
signal.

48-51. (canceled)

52. (currently amended) In a wireless communications system, a mobile station capable of determining its distance from another mobile station, the system comprising:
a first mobile station having an input for receiving data to determine its own position and a port to request the position of a second mobile station which is automatically sent to the first mobile station in response to the request for position;

the second mobile station including a memory of trust relationships, and wherein the second mobile station sends its position in response to accessing the memory to determine the level of trust with the first mobile station; and

wherein the first mobile station determines the distance to the second mobile station in response to receiving the position of the second mobile station. The system of claim 50 wherein the second mobile station includes a memory of trust relationships, and wherein the second mobile station sends its position in response to accessing the memory to determine the level of trust with the first mobile station.

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Cont* 53. (currently amended) The system of claim 52 wherein the second mobile station creates a request, addressed to the second mobile station user, authoring the sending of its position.

54. (currently amended) The system of claim 52 further comprising:
a position control module connected to the wireless system to collect and store the position of the second mobile unit, and automatically send the second mobile station position to the first mobile station in response to requests from the first mobile station.

55. (currently amended) In a wireless communications system, a mobile station capable of determining its distance from another mobile station, the system comprising:
a first mobile station having an input for receiving data to determine its own position and a port to request the position of a second mobile station;

the second mobile station having a position, which is automatically sent to the wireless communication system in response to the request for position;

a position control module connected to the wireless communication system to collect and store the position of the second mobile unit, and automatically send the second mobile station position to the first mobile station in response to requests from the first mobile station;

a trust relationship storage module connected to the position control module and accessed by the position control module to determine the level of trust that the second mobile station has in the first mobile station, before the second mobile station position is sent; and

wherein the first mobile station determines the distance to the second mobile station in response to receiving the position of the second mobile station. The system of claim 54 further comprising: a trust relationship storage module connected to the position control module and accessed by the position control module to determine the level of trust that the second mobile station has in the first mobile station, before the second mobile station position is sent.

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56. (currently amended) The system of claim 55[[4]] wherein the position control module sends an authorization request to the second mobile station, before the second mobile station position information is sent to the first mobile station.

57. (currently amended) The system of claim 55[[48]] wherein the first mobile station receives a short message service (SMS) message, having an SMS identity, to transfer of position and to convey the position of the telephone.

58. (currently amended) The system of claim 55[[48]] wherein the first mobile station receives a general message to convey the position of the telephone.

59. (currently amended) The system of claim 55[[48]] wherein the first mobile station receives an audio signal to convey the position of the telephone.

60. (currently amended) The system of claim 55[[50]] wherein the first mobile station sends its position to the second mobile station; and

wherein the second mobile station calculates to distance to the first mobile station in response to receiving the first mobile station position.

61. (currently amended) In a wireless communications system, a mobile station capable of determining its distance from another mobile station, the system comprising:

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cut / a first mobile station having an input for receiving data to determine its own position and a port to request the position of a second mobile station and including a memory of trust relationships and wherein the first mobile station sends its position in response to accessing the memory to determine the second mobile station level of trust;

the second mobile station having a position, which is automatically sent to the wireless communication system in response to the request for position; and

wherein the second mobile station calculates the distance to the first mobile station in response to receiving the first mobile station position. The system of claim 60 wherein the first mobile station includes a memory of trust relationships, and wherein the first mobile stations sends its position in response to accessing the memory to determine the second mobile station level of trust.

62. (canceled)

63. (currently amended) In a wireless communications system, a mobile station capable of determining its distance from another telephone, the system comprising:
a first mobile station having an input for receiving data to determine its own position and a port to request the position of a telephone;
a telephone having a position, which is automatically sent to the first mobile station in response to the request for position;
a landline telephone service provider including:
a position control module that collects and stores the position of the landline telephone and automatically sends the position to the first mobile station in response to requests from the first mobile station; and
a trust relationship storage module connected to the position control module and accessed by the position control module to determine the level of trust that the landline telephone has in the first mobile station, before its position is sent to the first mobile station; and
wherein the first mobile station determines the distance to the telephone in response to receiving the telephone position. ~~The system of claim 62 further comprising:~~
~~a trust relationship storage module connected to the position control module and accessed by the position control module to determine the level of trust that the landline telephone has in the first mobile station, before its position is sent to the first mobile station.~~

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64. (original) The system of claim 63 wherein the landline telephone receives an authorization request from the service provider to send its position to the first mobile station; and

wherein the service provider sends the landline telephone position in response to the authorization request.

65. (original) The system of claim 63 wherein the position control module is accessed through a dedicated telephone number; and

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CAAL wherein the first mobile requests the position of the telephone directly from the service provider by dialing the dedicated telephone number to access the position control module.
